

**PATENT APPLICATION****DECLARATION AND POWER OF ATTORNEY**  
**Original Application**

As below named inventors, we declare that we have reviewed and understand the contents of the specification, including the claims, as amended by any amendment specifically referred to in this Declaration, that the information given herein is true, that we believe that we are an original, first and joint inventor of the invention entitled:

***AUTOMATIC SPEAKER VOLUME AND MICROPHONE GAIN CONTROL IN A PORTABLE  
HANDHELD RADIOTELEPHONE WITH PROXIMITY SENSORS***

which is described and claimed in:

- the attached specification or  
 the specification in application Serial No. \_\_\_\_\_ filed \_\_\_\_\_.

The present application is a continuation-in-part of Prior Application Serial No. \_\_\_\_\_ filed \_\_\_\_\_, and may be considered to disclose and claim subject matter in addition to that disclosed in the Prior Application, and I hereby claim the benefit of 35 U.S.C. Section 120.

that we acknowledge our duty to disclose information in accordance with 37 C.F.R. Section 1.56 and defined on the attached sheet, which is material to the examination of this application, that we do not know and do not believe the same was ever known or used in the United States of America before our invention thereof or patented or described in any printed publication in any country before our invention thereof, or more than one year prior to this application, or in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by us or our legal representatives or assigns more than twelve months prior to this application and that as to applications for patent or inventor's certificate filed by us or my legal representatives or assigns in any country foreign to the United States of America, the earliest filed foreign application(s) filed within twelve months prior to the filing date of this application and all foreign applications filed more than twelve months prior to the filing date of this application, if any, are identified below.

**CHECK APPROPRIATE BOX**

- No earlier-filed foreign applications.  
 Required information as to foreign applications filed prior to filing date of this application is on page 5 attached hereto and made a part hereof.

**POWER OF ATTORNEY:**

As named inventors, we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

John F. Schipper, Reg. No. 26,994 and Richard E. Bee, Reg. No. 18,005, of the firm Law Office of John Schipper.

SEND CORRESPONDENCE TO  
**LAW OFFICE OF JOHN SCHIPPER**  
 111 N. Market Street, Suite 808  
 San Jose, California 95113

DIRECT TELEPHONE CALLS TO  
 Tel: 408/293-9934  
 Fax: 408/293-2183

FULL NAME OF INVENTOR 1	LAST NAME <b>SHIM</b>	FIRST NAME <b>JAE</b>	MIDDLE NAME <b>H.</b>	
RESIDENCE & CITIZENSHIP	CITY <b>SAN JOSE</b>	STATE OR FOREIGN COUNTRY <b>CALIFORNIA</b>	COUNTRY OF CITIZENSHIP <b>U.S.</b>	
POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>5944 KILLARNEY CIRCLE</b>	CITY <b>SAN JOSE</b>	STATE OR COUNTRY <b>U.S.</b>	ZIP CODE <b>95138</b>
FULL NAME OF INVENTOR 2	LAST NAME <b>PARK</b>	FIRST NAME <b>ILWHAN</b>	MIDDLE NAME	
RESIDENCE & CITIZENSHIP	CITY <b>PLEASANTON</b>	STATE OR FOREIGN COUNTRY <b>CALIFORNIA</b>	COUNTRY OF CITIZENSHIP <b>U.S.</b>	
POST OFFICE ADDRESS	POST OFFICE ADDRESS <b>4308 VALLEY AVE. #E</b>	CITY <b>PLEASANTON</b>	STATE OR COUNTRY <b>U.S.</b>	ZIP CODE <b>94566</b>

We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon

Name (Inventor 1)	Signature	Date
<b>JAE SHIM</b>		12/1/00

Name (Inventor 2)	Signature	Date
<b>ILWHAN PARK</b>		12/01/2000

## Section 1.56 Duty to Disclose Information Material to Patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by Sections 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

(1) prior art cited in search reports of a foreign patent office in a counterpart application, and

(2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

(1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or

(2) It refutes, or is inconsistent with, a position the application takes in:

(i) opposing an argument of unpatentability relied on by the Office, or

(ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any considerations given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

(1) Each inventor named in the application;

(2) Each attorney or agent who prepares or prosecutes the application; and

(3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent or inventor.

Applicant or Patentee: Jae H. Shim and Ilwhan Park Attorney's  
Serial or Patent No.: Not Assigned Docket No. 7015-006

Filed or Issued: Herewith

For: AUTOMATIC SPEAKER VOLUME AND MICROPHONE GAIN CONTROL IN A PORTABLE HANDHELD RADIOTELEPHONE WITH PROXIMITY SENSORS

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
37 CFR 1.9 (f) and 1.27(b) – INDEPENDENT INVENTOR

As the below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled:

described in

- the specification filed herewith.  
 application serial no. \_\_\_\_\_, filed \_\_\_\_\_.  
 patent no. \_\_\_\_\_, issued \_\_\_\_\_.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:

- No such person, concern, or organization.  
 Persons, concerns, or organizations listed below.\*

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities.  
(37 CFR 1.27)

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

Individual       Small Business Concern       Non-Profit Organization

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

Individual       Small Business Concern       Non-Profit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Jae H. Shim

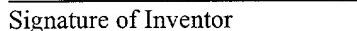
NAME OF INVENTOR



Signature of Inventor

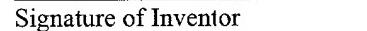
DATE

NAME OF INVENTOR



DATE

NAME OF INVENTOR



DATE

Applicant or Patentee: Jae H. Shim and Ilwhan Park Attorney's  
Serial or Patent No.: Not Assigned Docket No. 7015-006  
Filed or Issued: Herewith  
For: AUTOMATIC SPEAKER VOLUME AND MICROPHONE GAIN CONTROL IN A  
PORTABLE HANDHELD RADIOTELEPHONE WITH PROXIMITY SENSORS

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS  
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described in

- the specification filed herewith.  
 application serial no. \_\_\_\_\_, filed \_\_\_\_\_.  
 patent no. \_\_\_\_\_, issued \_\_\_\_\_.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person had made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under an obligation under contract or law to assign, grant, convey or license any rights in the invention is listed below:

- No such person, concern, or organization.  
 Persons, concerns, or organizations listed below.\*

\*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities.  
(37 CFR 1.27)

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

Individual       Small Business Concern       Non-Profit Organization

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_

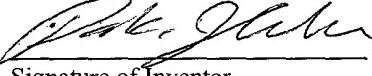
Individual       Small Business Concern       Non-Profit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

Ilwhan Park

NAME OF INVENTOR



Signature of Inventor

12/01/2000

DATE

NAME OF INVENTOR

Signature of Inventor

DATE

NAME OF INVENTOR

Signature of Inventor

DATE

Applicant or Patentee: Jae H. Shim and Ilwhan Park  
Serial or Patent No.: \_\_\_\_\_  
Filed or Issued: Even Date Herewith  
For: AUTOMATIC SPEAKER VOLUME AND MICROPHONE GAIN CONTROL IN A  
PORTABLE HANDHELD RADIOTELEPHONE WITH PROXIMITY SENSORS

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS**  
**37 CFR 1.9 (f) and 1.27(c) - - SMALL BUSINESS CONCERN**

I hereby declare that I am:

- the owner of the small business concern identified below:  
 an official of the small business concern empowered to act on behalf of the  
concern identified below:

NAME OF CONCERN: MOBIGENCE, INC.

ADDRESS OF CONCERN: 2362 QUME DRIVE, SUITE E, SAN JOSE, CALIFORNIA 95131

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby certify that to the best of my knowledge and belief rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention entitled: AUTOMATIC SPEAKER VOLUME AND MICROPHONE GAIN CONTROL IN A  
PORTABLE HANDHELD RADIOTELEPHONE WITH PROXIMITY SENSORS

by inventor(s) Jae H. Shim and Ilwhan Park  
described in

- the specification being filed herewith  
 application serial no. \_\_\_\_\_, filed \_\_\_\_\_  
 patent no. \_\_\_\_\_, issued \_\_\_\_\_

and I have reviewed the document that evidences the conveyance of those rights. That document

- is being filed herewith.  
 was recorded in the Patent and Trademark Office on \_\_\_\_\_, 19\_\_\_\_\_  
at reel \_\_\_\_\_ and frame \_\_\_\_\_.

If the rights held by the above-identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 347 CFR 1.9(d) or a non-profit organization under 37 CFR 1.9(e). NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

[  ] Individual [  ] Small Business Concern [  ] Non-Profit Organization

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

[  ] Individual [  ] Small Business Concern [  ] Non-Profit Organization

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING: JAE H. SHIM

TITLE OF PERSON OTHER THAN OWNER: PRESIDENT AND CEO

ADDRESS OF PERSON SIGNING: 2362 QUME DRIVE, SUITE E, SAN JOSE, CA 95131

SIGNATURE:  DATE: 12/1/00